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**United States Patent** [19]  
**Gauvin et al.**

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[54] **METHOD AND APPARATUS FOR  
 MODIFYING COPIES OF REMOTELY  
 STORED DOCUMENTS USING A WEB  
 BROWSER**

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[51] **Int. Cl.<sup>6</sup>** ..... G06F 17/30

[52] **U.S. Cl.** ..... 707/10; 707/501; 707/513;  
 395/200.47; 395/200.48

[58] **Field of Search** ..... 707/10, 501, 513,  
 707/104, 1-3; 395/200.47, 200.48, 200.54,  
 200.57, 200.3, 200.32, 200.33, 200.49

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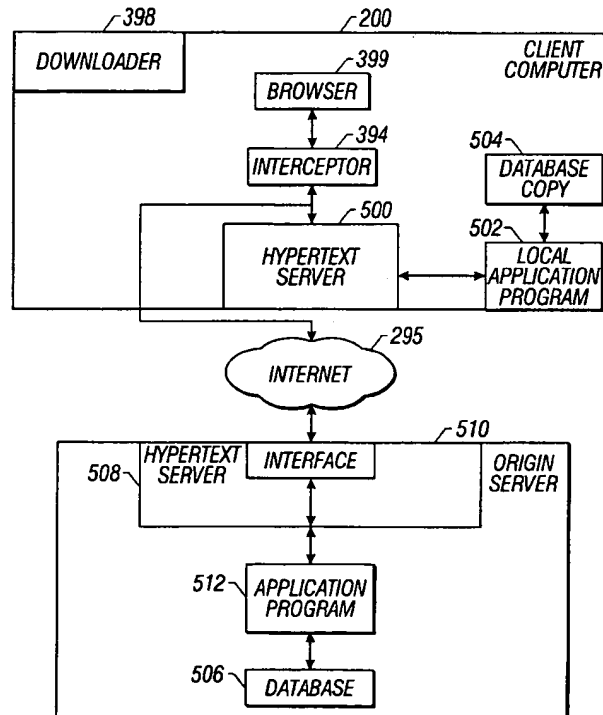
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[57] **ABSTRACT**

A local client computer includes a local hypertext server, a local application program, and a downloader for downloading a copy of a remote network document (local copy), that is accessible by the local application program, onto the client computer. When connected to the network, a downloader is executed to create the local copy on the client. When disconnected, the local copy may be accessed and modified through the client browser in a manner that is similar to when the client is connected to the network.

**28 Claims, 17 Drawing Sheets**



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TITLE: Method and apparatus for modifying copies of remotely stored documents using a web browser

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Detailed Description Text - DETX (14):

Accordingly, during disconnect, requests from the browser 399 to modify the database are intercepted by the interceptor 394. Such request may include data from a template. The interceptor 394 responsively determines that the client computer 200 is disconnected from the network, and then directs the request to the local hypertext server. The local hypertext server responsively translates the request and transfers the data (from the template) to the local application program 502 to modify the locally stored database copy. This process is done completely while disconnected from the network 295 and thus, does not require access to the hypertext server on the origin server 510. Moreover, this process is a background process and thus, does not interrupt the execution of the browser or other application programs on the system. The modifications to the database copy 504 then may be made to the database 506 on the origin server 510 upon reconnect.

Detailed Description Text - DETX (68):

A process for creating the local image mapping table is shown in FIG. 12. This process may be initiated by the interceptor 394 either while browsing remote network sites, or when the CFHD button 400 is selected. Similar to the CFHD process, the preferred process of creating the local image mapping table is a background process and thus, does not interrupt the normal execution of the browser 399.